
NATIONAL AERONAUTICS
AND SPACE ADMINISTRATION

NASA-09680 (June 2004)
NASA
Superseding NASA-09680
(September 2002)

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SECTION 09680

CARPET

06/04

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SECTION 09680

CARPET
06/04

NOTE: Delete, revise, or add to the text in this
section to cover project requirements. Notes are
for designer information and will not appear in the
final project specification.

This broadscope section covers carpeting.

PART 1 GENERAL

1.1 REFERENCES

NOTE: The following references should not be
manually edited except to add new references.
References not used in the text will automatically
be deleted from this section of the project
specification.

The publications listed below form a part of this section to the extent
referenced:

ASTM INTERNATIONAL (ASTM)

ASTM E 648 (2003) Standard Test Method Critical
Radiant Flux of Floor Covering Systems
Using a Radiant Heat Energy Source

CARPET AND RUG INSTITUTE (CRI)

CRI 104 (2002) Installation Specification of
Commerical Carpet

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 253 (2000) Standard Method of Test for
Critical Radiant Flux of Floor Covering
Systems Using a Radiant Heat Energy Source

NFPA 258 (2001) Recommended Practice for
Determining Smoke Generation of Solid
Materials

U.S. GENERAL SERVICES ADMINISTRATION (GSA)

FS SS-W-40

(Rev A; Int Am 1, Notice 1) Wall Base:
Rubber, and Vinyl Plastic

1.2 SUBMITTALS

NOTE: Review submittal description (SD) definitions
in Section 01330, "Submittal Procedures," and edit
the following list to reflect only the submittals
required for the project. Submittals should be kept
to the minimum required for adequate quality
control. Include a columnar list of appropriate
products and tests beneath each submittal
description.

The following shall be submitted in accordance with Section 01330,
"Submittal Procedures," in sufficient detail to show full compliance with
the specification:

SD-02 Shop Drawings

Installation drawings shall be submitted for the following items
diagramming the location of seams, edge moldings, and carpet
direction for approval prior to installation.

Carpet
Carpet Pads
Carpet Moldings
Base

SD-03 Product Data

Manufacturer's catalog data shall be submitted for the following
items:

Carpet
Carpet Pads
Carpet Moldings
Base

SD-04 Samples

The following samples shall be submitted:

Three samples, each 4 inches 100 millimeter square, of each type
of Carpet and Carpet Pads to be used.

The following samples shall be submitted in accordance with the
paragraph entitled, "Installation," of this section.

Seam Tape
Edge Molding
Accessories

SD-07 Certificates

Certificates shall be submitted for following showing conformance with the referenced standards contained in this section.

Carpet
Carpet Pads
Carpet Moldings
Base

SD-08 Manufacturer's Instructions

Manufacturer's instructions shall be submitted showing printed instructions covering Installation of carpet.

PART 2 PRODUCTS

NOTE: Face carpet materials is one of the materials listed in the EPA's Comprehensive Procurement Guidelines (CPG) (<http://www.epa.gov/cpg/>). If the Architect/Engineer determines that use of certain materials meeting the CPG content standards and guidelines would result in inadequate competition, do not meet quality/ performance specifications, are available at an unreasonable price or are not available within a reasonable time frame, the Architect/Engineer may submit written justification and supporting documentation for not procuring designated items containing recovered material. Written justification may be submitted on a Request for Waiver Form to the NASA Environmental Program Manager for approval. The Request for Waiver Form is located in the NASA Procedures and Guidelines (NPG 8830.1) (<http://nodis3.gsfc.nasa.gov>).

2.1 FACE CARPET MATERIALS

New carpet face materials shall contain a minimum of 25-100 percent of postconsumer content and a total recovered materials content of 25-100 percent.

The Carpet Manufacturer shall provide a statement from the U.S. EPA that product meets the guidelines of Presidential Executive Order 13101 for recycled content.

NOTE: Delete the following if there are no existing carpet materials scheduled for demolition and removal.

Refer to Section 02220, Demolition for additional requirements.

Existing carpet materials scheduled for removal and demolition shall be collected and returned to one of the sources specified herein for recycling.

The carpet manufacturer for work of this Section shall submit a statement and certify that 100 percent of the existing carpet materials scheduled for

removal and demolition will be recycled and that no portion of the existing carpet materials will be land filled or incinerated.

Submit delivery tickets with signed receipt signatures of one of the sources as specified herein as evidence that 100 percent of the existing carpet materials scheduled for demolition and removal were in fact collected and returned for recycling.

2.1.1 Polyester Carpet Face Fibers

For informational purposes, a list of sources known to recycle polyester carpet face fibers is provided below. Note that the Contractor is not limited to these sources. An approved product from other sources may be submitted for the Government's approval during construction.

Acceptable manufacturer's include, but are not limited to:

Bretlin, Inc.
LaFayette, Georgia

Central Vermont Carpet
Barre, Vermont

Environmental Building Supplies
Portland, Oregon

Image Industries
Amuchee, Georgia

Martin Color-FI
Edgefield, South Carolina

Talisman Mills, Inc.
Mequon, Wisconsin

2.2 CARPET TYPE AND CONSTRUCTION

The following specifies the construction for [modular] [broadloom] carpet.

Type shall be [tufted] [woven] [fusion bonded] [_____]

Finished pile height shall be [_____]

Gage Stitches per inch millimeter shall be [_____]

Face weight shall be [_____]

Backing: Primary shall be [_____]. Secondary shall be [_____].

Dye method shall be [_____]

Total weight shall be [_____]

Weight density factor shall be [_____]

2.2.1 Flammability

Radiant panel test shall be Class I, 0.45 watt/cm2 or greater in accordance with [NFPA 253] [ASTM E 648].

Smoke density shall be 450 or less in accordance with NFPA 258.

2.2.2 Color and Pattern

Color and pattern shall be chosen from the manufacturer's catalog data.

2.3 CARPET PADS

NOTE: Carpet cushions is one of the materials listed in the EPA's Comprehensive Procurement Guidelines (CPG) (<http://www.epa.gov/cpg/>). If the Architect/Engineer determines that use of certain materials meeting the CPG content standards and guidelines would result in inadequate competition, do not meet quality/ performance specifications, are available at an unreasonable price or are not available within a reasonable time frame, the Architect/Engineer may submit written justification and supporting documentation for not procuring designated items containing recovered material. Written justification may be submitted on a Request for Waiver Form to the NASA Environmental Program Manager for approval. The Request for Waiver Form is located in the NASA Procedures and Guidelines (NPG 8830.1) (<http://nodis3.gsfc.nasa.gov>).

Pad shall be sponge rubber, 64-ounce flame spread in accordance with NFPA 253.

2.3.1 Carpet Cushion

For informational purposes, a list of sources known to recycle carpet cushions is provided below. Note that the Contractor is not limited to these sources. An approved product from other sources may be submitted for the Government's approval during construction.

Acceptable manufacturer's include, but are not limited to:

Collins & Aikman Floor Coverings
Dalton, Georgia

Chris Craft International Products
Waterford, New York

Carpenter Company
Richmond, Virginia

Dixie Manufacturing Corporation
Norfolk, Virginia

[Bonded polyurethane carpet cushions shall contain old carpet cushion and be made from 15-50 percent of postconsumer content and 15-50 percent total recovered materials content.]

[Rubber carpet cushions shall contain recycled tire rubber and be made from

60-90 percent of postconsumer content and 60-90 percent total recovered materials content.]

[Synthetic carpet cushions shall contain recycled carpet fabrication scrap and be made from 100 percent of total recovered materials content.]

2.4 CARPET MOLDINGS

Carpet moldings, either vinyl or aluminum, shall be installed where floor covering material changes or carpet edge does not abut a vertical surface.

2.5 BASE

Base shall be vinyl conforming to FS SS-W-40.

Minimum overall thickness of base shall be not less than 0.125 inch 3 millimeter, color as selected from manufacturer's full line.

[Straight] [Cove] style, [4] [6] inches [100] [150] millimeter high.

Base shall be furnished in rolls not less than 96 feet 30 meter long. Corners shall be premolded with wings not less than 2 inches 50 millimeter long.

PART 3 EXECUTION

3.1 INSTALLATION

Samples of each type of Seam Tape, Edge Molding, and any other Accessories to be used shall be submitted.

Carpeting shall be installed in accordance with CRI 104 and the carpet manufacturer's instructions.

Type of installation[s] required for this project [is] [are] as follows:

[Direct Glue Down]
[Stretch-In]
[Carpet Modules]

Contiguous carpeting shall be a product of the same dye lot.

Corrections in measurements made by the Contractor shall be at no additional cost to the Government.

Transportation of carpet within the jobsite shall be the responsibility of the Contractor.

Removal and replacement of furniture shall [not] be the responsibility of the Contractor.

3.2 PREPARATORY WORK

Contractor shall verify that surfaces to receive carpet are thoroughly clean, dry, dust-free, and in a satisfactory condition to be carpeted. Contractor shall notify the Government in writing of any conditions that will prevent the production of unsatisfactory work. Start of carpet installation shall be an indication of acceptance of the surfaces as being satisfactory for installing carpeting and he shall automatically assume the

responsibility for any unacceptable finish work caused by floor conditions.

3.3 ACCEPTANCE PROVISIONS

Contractor shall be fully responsible for the installation upon completing of each area. Installation will be inspected and approved by the Contracting Officer prior to acceptance.

Damaged and unacceptable portions of completed work shall be removed and replaced with new carpeting.

3.4 CLEANING

Surfaces of new carpeting and adjacent surfaces soiled as a result of this work shall be cleaned thoroughly. Equipment, surplus materials, and rubbish from work shall be removed from the site.

-- End of Section --